YNK-DBR No.....
Date.....

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

AEE, YSTSD
SBR No: 122/21-22
Date: 12 Dec 2022

No: Second and Final Bill

Division: **Yelahanka** Sub-Division: **Yelahanka Satellite Town Sub Division**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 003-20-000082**

Schedule Docket No. Head of Account: Est.Cost- **200.00 Lakhs**

Name of Work: **Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division**

Name of Contractor and Full Address: **M/s. Technical Manager (West), KRIDL, Bangaluru, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam Circle Bangalore-560010**

Reference to Agreement No: **BBMP/EE/YNK.D/W.O/199/2019-20** Date: **10-11-2019**

Certified that the measurements were taken by me on 31/12/2021 and recorded of Pages 493736 of measurement Book No. 4938 and that the work is satisfactorily executed. 49 to 340

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Officer-in-charge of work

Certified that the measurement were taken by me on 31/12/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Prvs. 193 29 882=00
Previous. 151 24 485=00
Bills 41 83 397=00

Sub-Division Officer.
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಕಛೇರಿ
ಬೆಂಗಳೂರು-560

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of
   b) Payments Now made } cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Gross Amt = Rs	4205397=00	
FSD = Rs	21027=00	Amount adjusted
CGST = Rs	3754=00	
SGST = Rs	3754=00	
IT = Rs	8410=00	
LC = Rs	4205=00	
CBF = Rs	4205=00	
unadjustments items = Rs	75568=00	
T.D. = Rs	49130=00	
Total amount adjusted -		
Net Amount =	3714096=00	

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness
1.
2.
Dated

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

Audited & Admitted for Rs. 4205397=00
Stamp
3714096=00 by Cheque
and Rs. 491301=00 by adjusement

Executive Engineer

Accts Supdt
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

ABSTRACT

Item no.	Description of work	Unit	Approved tender Qty and rates			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposal earth is to levelled neatly after breaking of clods complete as per specifications Sor Item-107-2(iv) 2016 page 49 complete as per specifications and directions of the Engineer in charge	cum	1104.97	207.60	229383.00	1104.97	207.60	229383.00	0.00	207.60	0.00	1104.97	229383.00
2	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	cum	183.32	5421.90	993940.00	183.32	5421.90	993940.00	0.00	5421.90	0.00	183.32	993940.00
3	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc .Complete Excluding cost of Steel as per specification and as per the directions of the Engineer-in-charge of the work	cum	355.83	7070.20	2515786.00	355.83	7070.20	2515786.00	0.00	7070.20	0.00	355.83	2515786.00
4	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. and as per the directions of the Engineer-in-charge of the work	Tonne	21.25	72326.98	1537300.00	21.25	72326.98	1537300.00	0.00	72326.98	0.00	21.25	1537300.00
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)complete as per specifications and directions of the Engineer in charge.	Sqm	907.48	2337.00	2120779.00	905.36	2337.00	2115815.00	0.00	2337.00	0.00	905.36	2115815.00
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc complete as per specifications and directions of the Engineer in charge.	Sqm	20.76	5418.00	112478.00	20.76	5418.00	112478.00	0.00	5418.00	0.00	20.76	112478.00
7	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	cum	16.43	5747.32	94427.00	16.43	5747.32	94455.00	0.00	5747.32	0.00	16.43	94455.00

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						Present			Total Upto Date	
						Rate	Amount		Qnty	Amount
								3651.00	1578985.00

Item no	Description of work	Unit	Approved tender Qty and rates			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete as per specifications and directions of the Engineer in charge.	Nos	3651.00	432.48	1578985.00	3651.00	432.48	1578985.00	0.00	432.48	0.00	3651.00	1578985.00
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. and directions of the Engineer in charge.	Sqm	657.14	84.80	55726.00	0.00	84.80	0.00	657.14	84.80	55726.00	657.14	55726.00
10	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No 301Loading and unloading with 10km lead, complete as per specifications and directions of the Engineer in charge.	Cum	2260.56	56.26	127180.00	2260.56	56.26	127180.00	0.00	56.26	0.00	2260.56	127180.00
11	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOMcomplete as per specifications and directions of the Engineer in charge.	Sqm	4521.12	6.36	28755.00	4521.12	6.36	28755.00	0.00	6.36	0.00	4521.12	28755.00
12	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) and directions of the Engineer in charge.	Cum	904.22	344.50	311506.00	904.22	344.50	311506.00	0.00	344.50	0.00	904.22	311506.00
13	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision complete as per specifications and directions of the Engineer in charge.	Cum	678.17	1994.92	1352892.00	678.17	1994.92	1352892.00	0.00	1994.92	0.00	678.17	1352892.00
14	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory	Cum	1130.28	2001.28	2262008.00	1130.28	2001.28	2262008.00	0.00	2001.28	0.00	1130.28	2262008.00

Item no	Description of work	Unit	Approved tender Qty and rates			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
15	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and directions of the Engineer in charge.	Sqm	4521.12	33.92	153357.00	0.00	33.92	0.00	4521.12	33.92	153357.00	4521.12	153357.00
16	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and directions of the Engineer in charge.	Cum	226.06	7428.48	1679254.00	0.00	7428.48	0.00	226.06	7428.48	1679283.00	226.06	1679283.00
17	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH / Chapter 5 complete as per specifications and directions of the Engineer in charge.	Sqm	4521.12	12.72	57509.00	0.00	12.72	0.00	4521.12	12.72	57509.00	4521.12	57509.00
18	Providing and laying bituminous concrete using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as perSpecification No. 507 MORTH V using 40-60 TPH capacity H.M.P with mechanical Paver Gr-II (30-45 mm) with 5.4% VG-30 Bitumen complete as per specifications and directions of the Engineer in charge.	Cum	180.84	8699.42	1573246.00	0.00	8699.42	0.00	180.84	8699.42	1573246.00	180.84	1573246.00
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Conrete Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms and 2Ltr of Primer per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and directions of the Engineer in charge.	Sqm	153.46	454.74	69785.00	0.00	454.74	0.00	153.46	454.74	69785.00	153.46	69785.00

Item no	Description of work	Unit	Approved tender Qty and rates			Previous			Present			Light / Heavy Vehicle	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	12+2	Amount
20	Road markers/ Road stud , KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering thje lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97-DO III Dt 11.06.1997.The height, width and length shall not exceed 50mm, 100mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree.The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less than 30mm)from the body is to be a minimum value of 500kg. Fixing will be by drilling holes on the road for the shanks to go inside, without ails and using epoxy resin based adhesive as per manufacture's recommendation and comeplete as per specifications and directions of the Engineer in charge.	Nos	102.00	357.22	36437.00	0.00	357.22	0.00	102.00	357.22	36437.00	102.00	36437.00
21	Filling in foundation with granite/trap broken metal 100mm and down size ,with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. and as per the directions of the Engineer-in-charge of the work												0.00
	a) 40mm Jelly	Cum	0.62	1901.00	1186.00	0.62	1901.00	1186.00	0.00	1901.00	0.00	0.62	1186.00
	b) 20mm Jelly	Cum	0.62	1901.00	1186.00	0.62	1901.00	1186.00	0.00	1901.00	0.00	0.62	1186.00
	c) Coarse sand	Cum	0.47	2651.00	1240.00	0.47	2651.00	1240.00	0.00	2651.00	0.00	0.47	1240.00
	d) Fine sand	Cum	0.31	2651.00	827.00	0.31	2651.00	827.00	0.00	2651.00	0.00	0.31	827.00
	e) 12.5mm chips	Cum	0.47	1901.00	889.00	0.47	1901.00	889.00	0.00	1901.00	0.00	0.47	889.00
22	Providing of Geonets for Rain Water Harvesting pit on the filter media as specified and as per the directions of the Engineer-in-charge of the work	Sqm	1.56	71.03	110.72	1.56	71.03	110.72	0.00	71.03	0.00	1.56	110.72
	Total				16896181.72			13265931.72			3625343.00		16891274.72
	GST 12%				2027541.81			1591911.81			435041.16		2026952.97
	KRIDL Charges (3% of estimated cost)				506885.45			397977.95			108760.29		506738.24
	For 1% Labour Cess				168961.82			132659.32			36253.43		168912.75
	Total Amount				19599570.80			15388480.80			4205397.88		19593878.68

Contractor

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ.
ಆ.ಐ.ಎ.ಡಿ. ಬೆಂಗಳೂರು-೧೦೬

Executive Engineer